

Evergy Kansas Central  
February 20, 2021  
Significant Event

This report has been prepared and is being submitted to comply with the Electric Reliability Requirements section 3, part N and section 6, part B of Docket 02-GIME-365-GIE.

Beginning on Saturday, February 20th at approximately 1:22 PM, a failed arrester on a 115 kV line in the Salina service area caused numerous customer interruptions in Evergy Kansas Central. Most interruptions were just over 5 minutes to 13 minutes in duration. Most of the interruptions occurred in areas surrounding Salina.

The peak number of customers without power occurred within the 1:00 PM hour of February 20th and totaled approximately 11,586 customers. These accumulated interruptions have been classified as a "Significant Event", having over 10,000 retail customers with sustained service interruptions in a 24-hour period. In total, 11,732 customers experienced sustained service interruptions.

Approximately 11,732 interrupted customers had been restored before 8:00 PM on February 20th.

Cities Affected

City
Denison
Derby
El Dorado
Lawrence
Manhattan
Marysville
McLouth
Mentor
Olathe
Salina
Topeka

## Circuits Affected

Circuit Name	Retail Electric Customers Affected
SGAT012022	2,520
SGAT012002	1,711
2PRE012003	1,198
SMOK012003	1,084
NSTR012001	1,001
SMOK012001	862
2PRE012001	786
SMOK012006	666
2PRE012002	585
SMOK012005	500
2PRE012004	474
NSTR012002	195
NORL012005	66
ELPA012002	43
WILD012005	12
FARB012016	10
STWN012016	5
FAIG012004	2
4VAN012037	1
6TH 012036	1
CONY012014	1
DENI012002	1
MCLO012012	1
MOBI012008	1
MSVL012002	1
PENT012014	1
QUIN012003	1
ROSE012004	1
WALN012012	1
SKEL012010	1

## Root Causes

Root Cause	Customers Out	Number of Outages
Equipment	11,605	21
Wildlife	69	4
Other	33	6
Planned	23	5
Unknown	2	2

## Customers Out by Cause

Equipment	Equipment	Wildlife	Other	Planned	Unknown	Total
Lightning/surge arrester	11,582	0	0	0	0	11,582
Interrupting Device	0	69	2	0	0	71
Other Equipment	0	0	31	23	1	55
Cable	12	0	0	0	0	12
Connector	6	0	0	0	1	7
Transformer	2	0	0	0	0	2
Wire	2	0	0	0	0	2
Switch	1	0	0	0	0	1
<b>Total</b>	<b>11,605</b>	<b>69</b>	<b>33</b>	<b>23</b>	<b>2</b>	<b>11,732</b>

# Restoration Over Time

